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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/991,834 | 11/06/2001 | Ying Chen | JP920000293US1 | 6017 |

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ANNE V. DOUGHERTY
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EXAMINER

TAN, ALVIN H

ART UNIT PAPER NUMBER

2173

DATE MAILED: 11/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/991,834

Applicant(s)

CHEN ET AL.

Examiner

Alvin H. Tan

Art Unit

2173

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 August 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6, 8-16, 18 and 20-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6, 8-16, 18 and 20-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 November 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Remarks

1. Claims 1-6, 8-16, 18, 20-23 have been examined and rejected. This Office action is responsive to the amendment filed on 8/25/05, which has been entered in the above identified application.

Drawings

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: *[Figure 3, reference character "DN"]*.

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "3" and "23" have been used to designate both the server and database in *[figures 1 and 5]*.

4. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be

labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

5. The disclosure is objected to because of the following informalities:
- a. On [page 3, paragraph 3], Examiner suggests changing "to for user" to --for a user--.
 - b. On [page 4, paragraph 3], Examiner suggests changing "descried" to --described--.
 - c. On [page 8, paragraph 3, lines 2-3], figure 6 does not show a user device being a PDA as stated.

Appropriate correction is required.

Claim Objections

6. Claim 3 is objected to because of the following informalities:
- a. In [claim 3, line 7], Examiner suggests changing "store din" to --stored in--.
- Appropriate correction is required.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

8. Claims 1-4, 6, 8-13, 15, 16, 18, and 20-23 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,684,087 (Yu et al).

Claims 1-4, 6, 8 (Method)

Claim 9 (System)

Claim 22 (Device)

8-1. Referring to claims 1, 9, and 22, Yu discloses in *[column 7: lines 1-23]* a method and system for providing map service information on a server for a user device that has user input capabilities. Yu discloses in *[column 7: line 57]* through *[column 8: line 17]* that the mobile device generates and transmits a request to fetch an item of interest from a server. A user input command to designate the item of interest (map service information) is inherently received during the steps of generating and transmitting the request for an item of interest. A server module performs traditional server processing as well as protocol conversion processing from one communication protocol to another communication protocol *[column 6, lines 4-8]*. The item of interest is fetched from a

resource, which may be another server device coupled on the landnet or the Internet and typically provides hypermedia information including image data for others to access [column 7, lines 66-67; column 8, lines 1-7]. Thus, the user input command is inputted to access map service information, is transmitted to a command processing means which is independent of said user device, and is interpreted and transmitted to a server. In response to the request, Yu discloses in [column 8: lines 18-31] that map service information is provided on the server for the user device including service mapping parameters correlated for the input capabilities of the user input device. Yu explains in [column 7: line 66] through [column 8: line 7] that the request includes a device identification that identifies the device. In [column 6: lines 30-58], Yu discloses that the device identification is linked to device parameters of the user device, which include the user input mechanism associated with the user device. Yu further discloses in [column 7: lines 1-23] that the map service information is preprocessed at the server with the parameters of the user device. Accordingly, the map service information is provided on the basis of the user input command transmitted to the server.

8-2. Referring to claim 2, Yu discloses in [column 6: lines 30-67] a database of user data, which is read when interpreting the user input command.

8-3. Referring to claim 3, the user input command must inherently be stored temporarily while the device identification is compared with values in the database of user data so that the appropriate device parameters can be retrieved.

8-4. Referring to claim 4, Yu discloses in *[column 6: lines 26-67]* that the server manages the database of user data. Accordingly, user accounts are added, deleted, and modified by the server.

8-5. Referring to claim 6, Yu discloses in *[column 6: lines 30-58]* that the user data of the database comprises a user identifier, the type of user device, and service mapping parameters.

8-6. Referring to claim 8, Yu discloses in *[column 8: lines 18-32]* that the user input device comprises a keypad on phone. A user can further input commands by pressing buttons on the keypad.

Claims 10-13, 15-16, 18, 20-21

8-7. Referring to claim 10, the command processing means discussed above comprises a server module that performs traditional server processing as well as protocol conversion processing from one communication protocol to another communication protocol *[column 6, lines 4-8]*. This allows the input command to be forwarded to the server as a request for an item of interest including the necessary elements as disclosed in *[column 7: line 66]* through *[column 8: line 7]*.

8-8. Referring to claim 11, the user input command must inherently be stored temporarily on the server while the device identification is compared with values in the database of user data so that the appropriate device parameters can be retrieved.

8-9. Referring to claim 12, Yu discloses in *[column 62 lines 30-67]* a database of user data, which is read when interpreting the user input command.

8-10. Referring to claims 13 and 15, Yu discloses in *[column 6: lines 26-67]* that the server manages the database of user data. Accordingly, user accounts are added, deleted, and modified by the server.

8-11. Referring to claim 16, Yu discloses in *[column 6: lines 30-58]* that the user data of the database comprises a user identifier, the type of user device, and service mapping parameters.

8-12. Referring to claim 18, Yu discloses in *[Figure 1]* that a system in accordance with the disclosed invention comprises a personal computer *["110"]*, which has a QWERTY keyboard.

8-13. Referring to claims 20 and 21, Yu discloses in *[column 3: lines 53-60]* that the user device can be a mobile phone or PDA.

Claim 23

8-14. Referring to claim 23, Yu discloses in *[column 4: lines 20-45]* that the user device is a phone form which commands can be sent by pressing buttons on a keypad of said phone.

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claims 5 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,684,087 (Yu et al) ms applied to claims 2 and 13 above and further in view of U.S. Patent No. 6,782,253 (Shteyn et al).

Claim 5 (Method)

Claim 14 (System)

10-1. Referring to claims 5 and 14, Yu fails to specifically disclose that the user data can be modified by the user device. Shteyn, however, discloses in *[column 10: line 46]* through *[column 11: line 15]* a system in which a user can initiate a change in preferences or profiles that are stored in a remote database via a user device. Shteyn explains in *[column 11: lines 1-7]* that users may typically want to access several sets of

profile information according to the user's activity (e.g. one group of settings might be for work while another set might be for home). Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the user data with the user device as taught by Shteyn in combination with the teachings of Yu. Doing so would have been advantageous because it would have allowed users to switch between several sets of preference or profile information as suggested by Shteyn.

Response to Arguments

11. The Examiner acknowledges the Applicants' amendments to claims 1, 9, and 22. Regarding independent claims 1, 9, and 22, the Applicants allege that Yu et al (US Patent No. 6,684,087) as described in the previous Office action, does not explicitly teach an independent command processing entity that handles the interpreting, as has been amended. The Examiner respectfully submits that claims 1, 9, and 22, even as amended, fails to overcome the prior art, as is evidenced by the fact that Yu is still considered to read upon the claim. Yu teaches a server module that performs traditional server processing as well as protocol conversion processing from one communication protocol to another communication protocol [column 6, lines 4-8]. This module interprets user input commands and is independent of the user device. Applicants also allege that Yu, as described in the previous Office action, does not explicitly teach or suggest the step and means for dynamically interpreting and providing map service information including service mapping parameters correlated for the input capabilities of the user

input device. However, nothing in the claim suggests dynamically interpreting map service information including service mapping parameters correlated for the input capabilities of the input device. Yu does disclose in *[column 8: lines 18-31]* that map service information is provided on the server for the user device including service mapping parameters correlated for the input capabilities of the user input device. Yu explains in *[column 7: line 66]* through *[column 8: line 7]* that the request includes a device identification that identifies the device. In *[column 6: lines 30-58]*, Yu discloses that the device identification is linked to device parameters of the user device, which include the user input mechanism associated with the user device. Yu further discloses in *[column 7: lines 1-23]* that the map service information is preprocessed at the server with the parameters of the user device. Accordingly, the map service information is provided on the basis of the user input command transmitted to the server. Consequently, and given the broadest, most reasonable interpretation of the claim language, Yu is considered to anticipate claims 1, 9, and 22.

Applicants state that dependent claims 2-6, 8, 10-16, 18, 20-21, and 23 recite all the limitations of the independent claims, and thus, are allowable in view of the remarks set forth regarding independently amended claims 1, 9, and 22. However, as discussed above, the stated prior art is considered to teach claims 1, 9, and 22, and consequently, claims 2-6, 8, 10-16, 18, 20-21, and 23 are rejected.

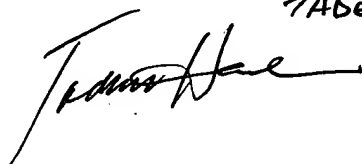
Conclusion

12. In responding to this Office action, please note that the examiner of record for the above identified application has changed. Please direct all future correspondence to Alvin H. Tan whose telephone number is 571-272-8595. The examiner can normally be reached between 8:30am-6pm Mon-Thu and 8:30am-5pm alternating Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on 571-272-4048. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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TADESSE HAILU